

Fig. 1

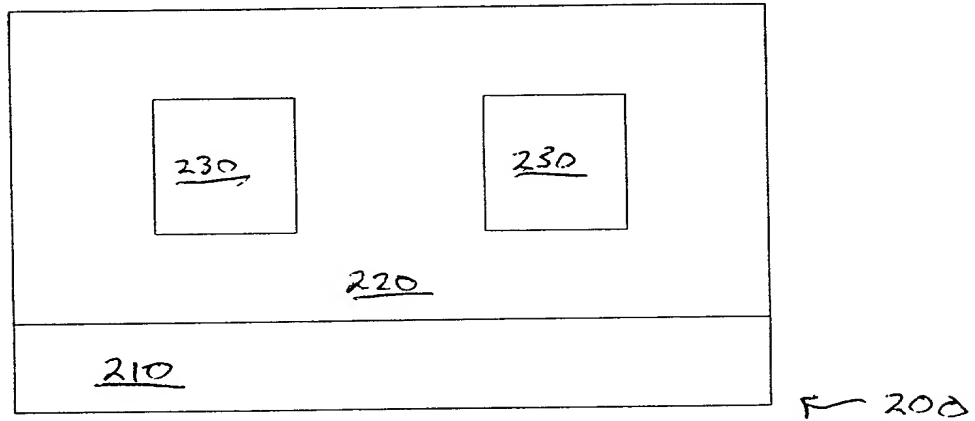


Fig. 2

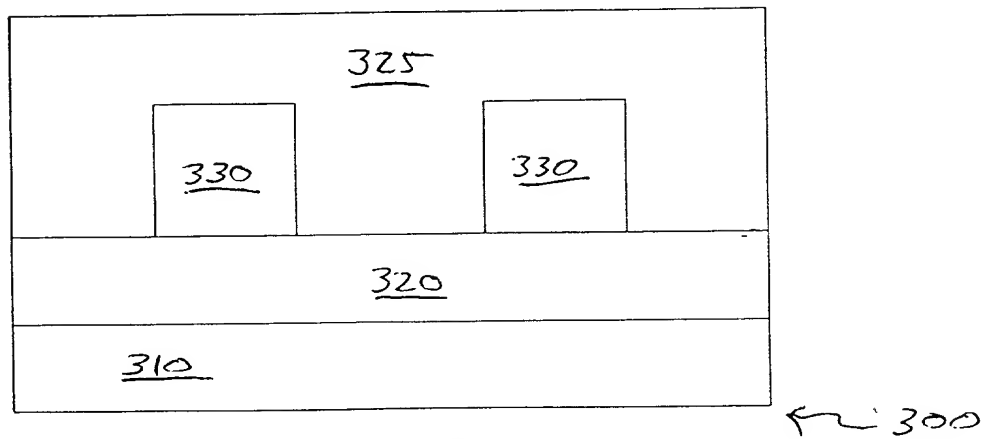


Fig. 3

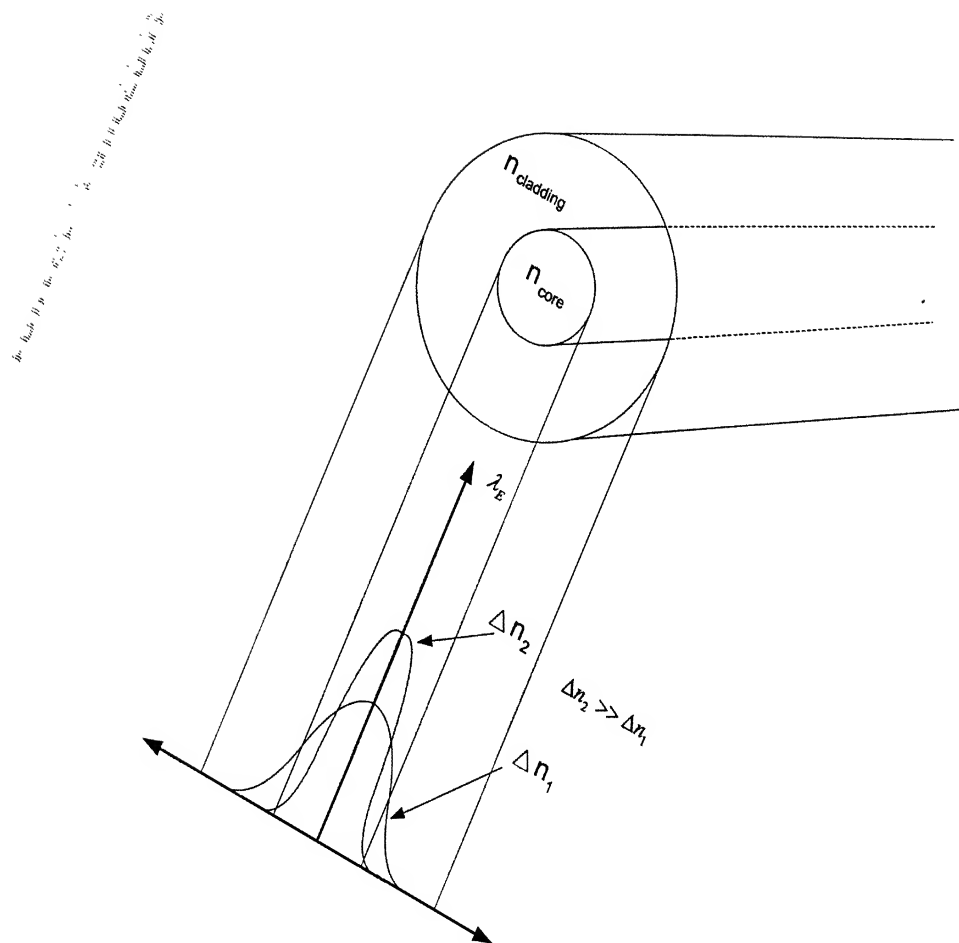


Fig. 4

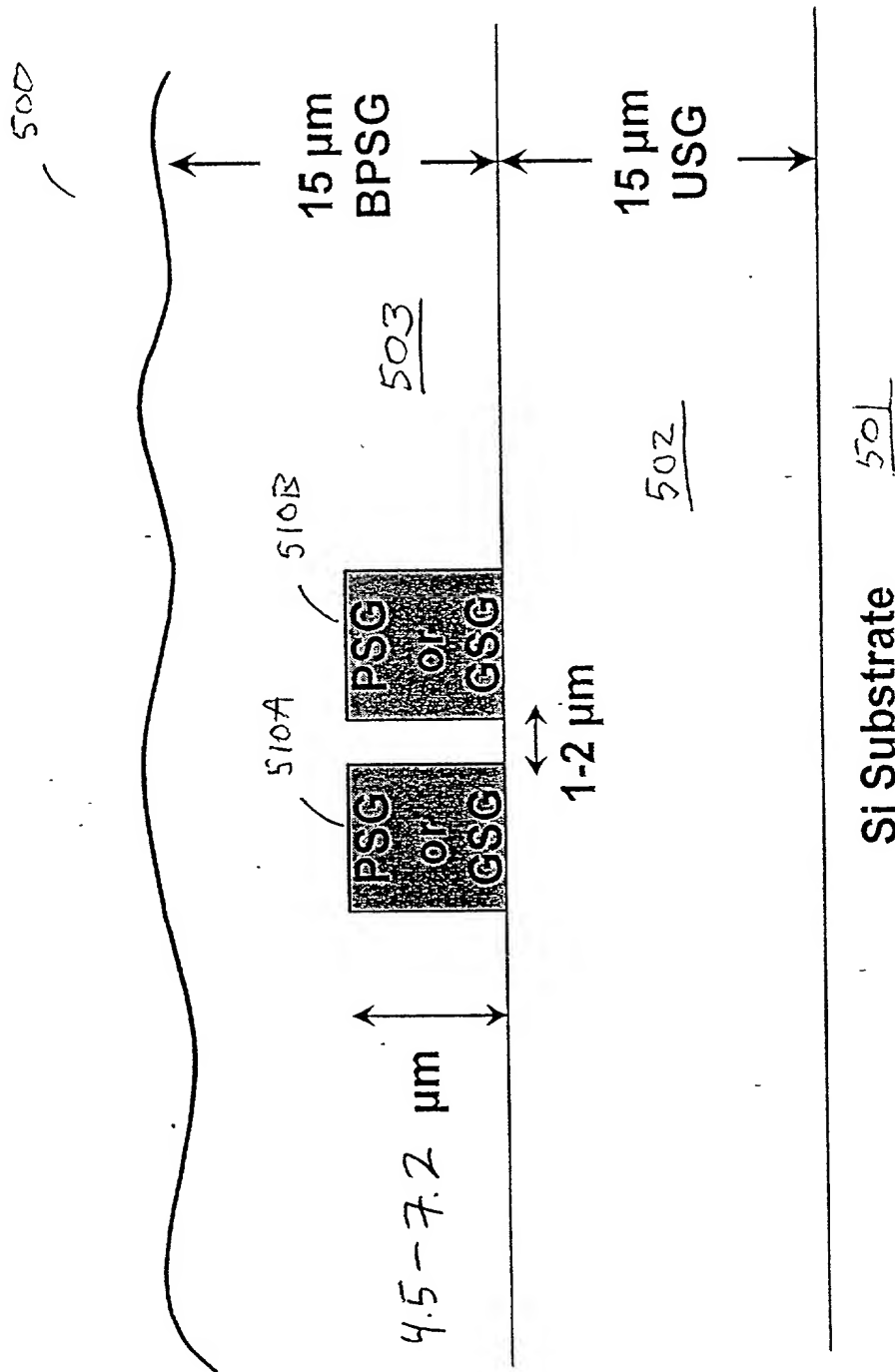


Fig. 5

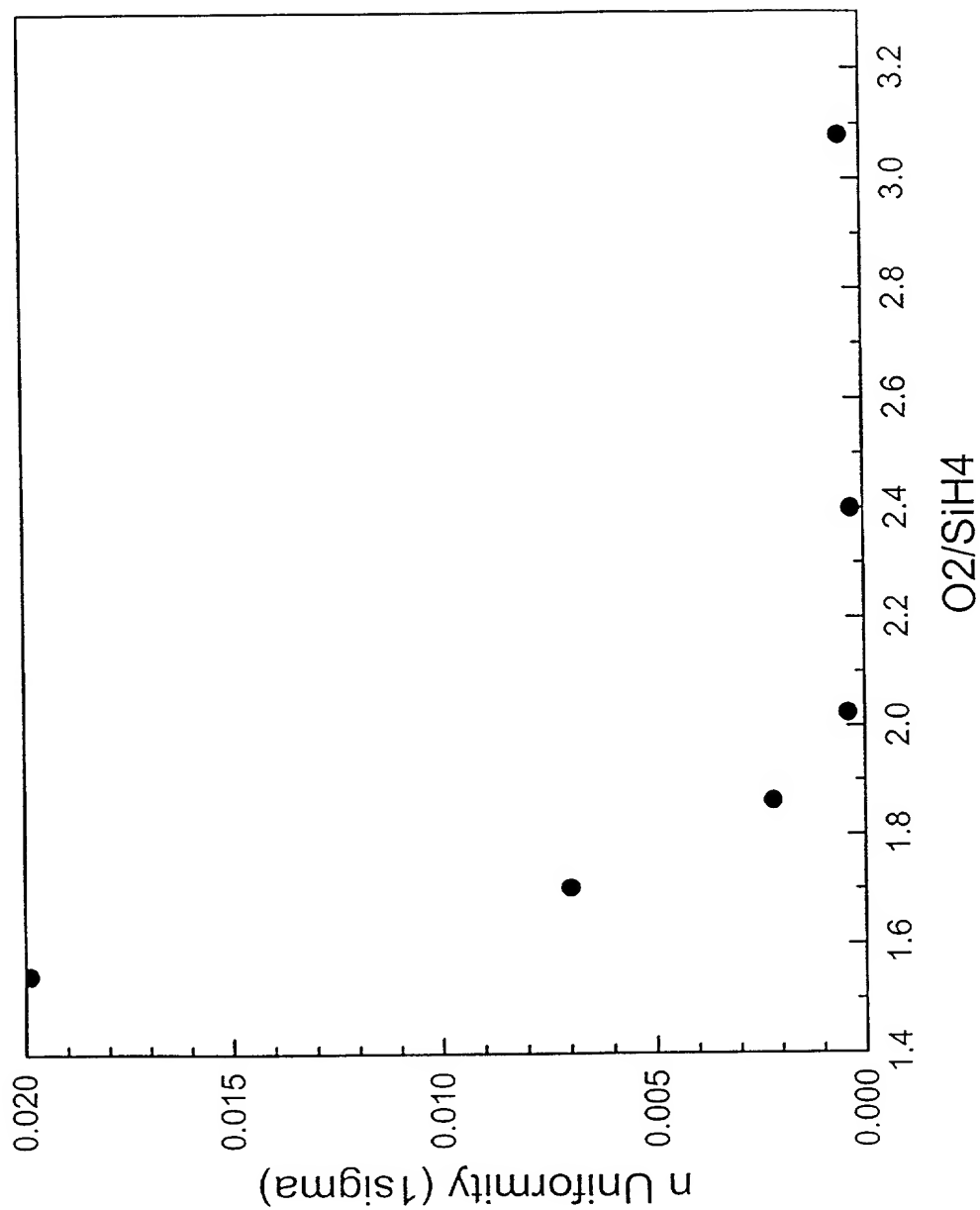


Fig. 6

710

**Fig. 7A**

720

710

**Fig. 7B**

730

720

710

**Fig. 7C**

730A

730B

720

710

**Fig. 7D**

725

730A

730B

720

710

**Fig. 7E**

810

**Fig. 8A**

820

810

**Fig. 8B**

821A

820

821B

810

**Fig. 8C**

830A

820

830B

810

**Fig. 8D**

825

830A

820

830B

810

**Fig. 8E**



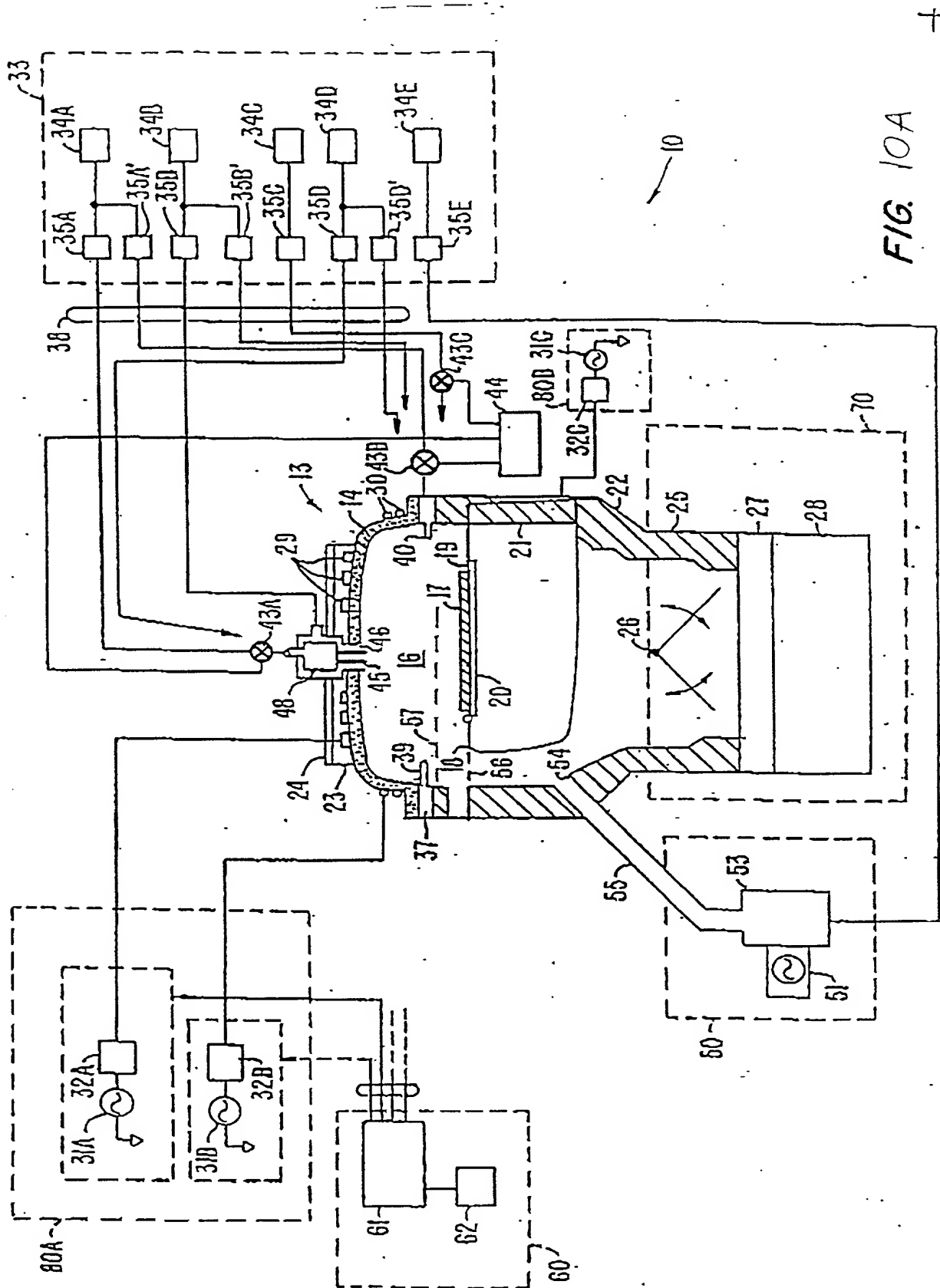


FIG. 10A



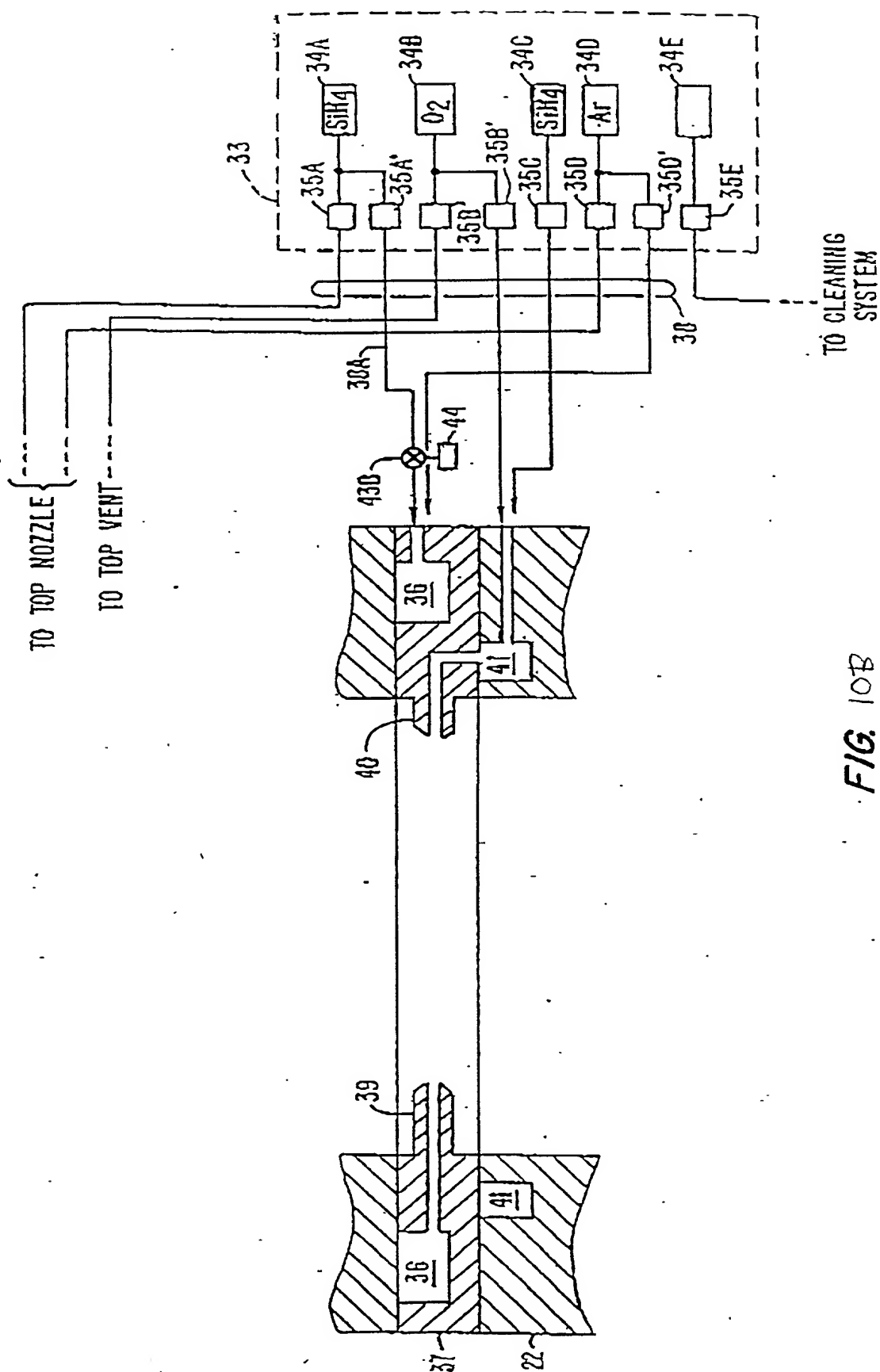


FIG. 10C is a schematic diagram of a system for monitoring and controlling a clean room environment. The system includes a control unit 60, a sensor unit 61, a display unit 62, and a data storage unit 63. The control unit 60 is connected to the sensor unit 61, which is in turn connected to the display unit 62 and the data storage unit 63. The sensor unit 61 is also connected to a clean room 65. The clean room 65 is shown with a door 66 and a window 65A. The display unit 62 is shown with a screen 62A. The data storage unit 63 is shown with a storage device 63A. The system is used to monitor and control the clean room environment.

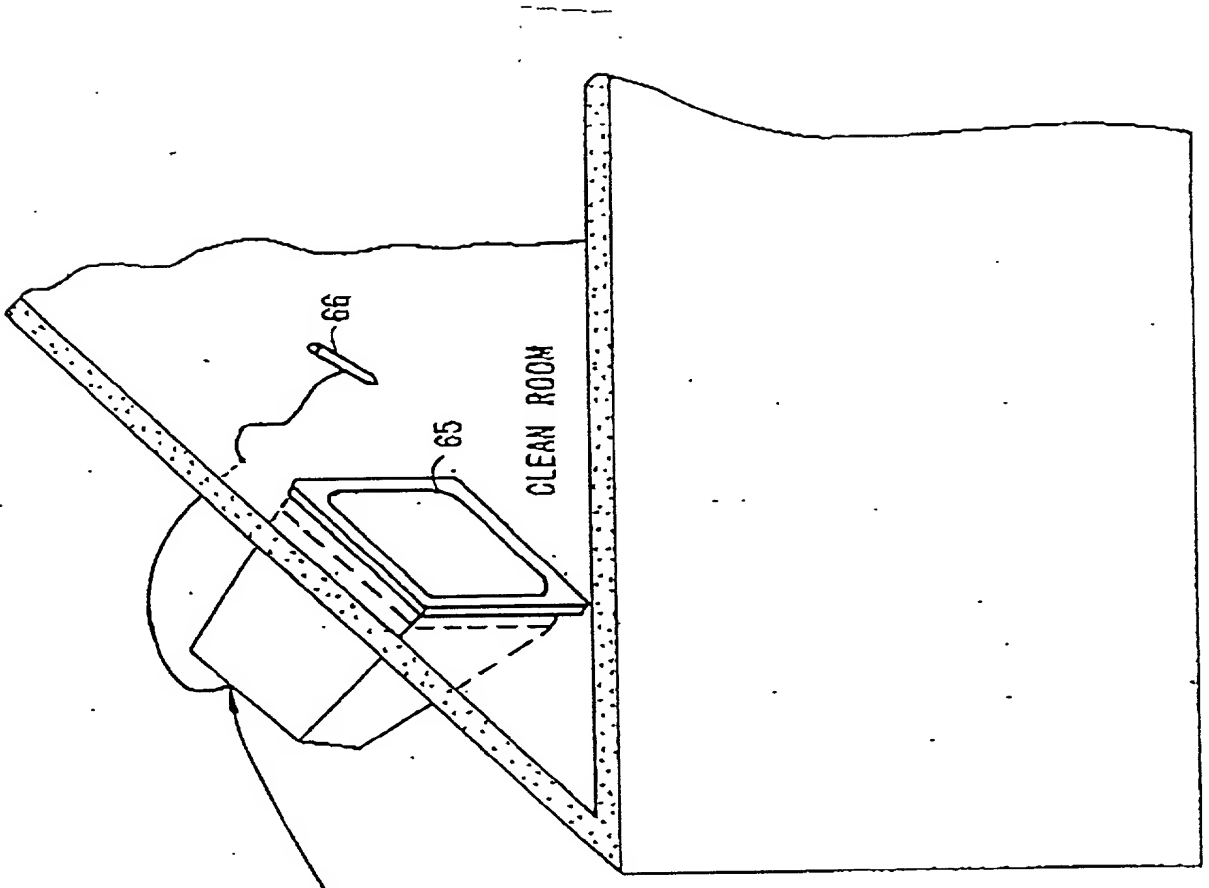


FIG. 10C

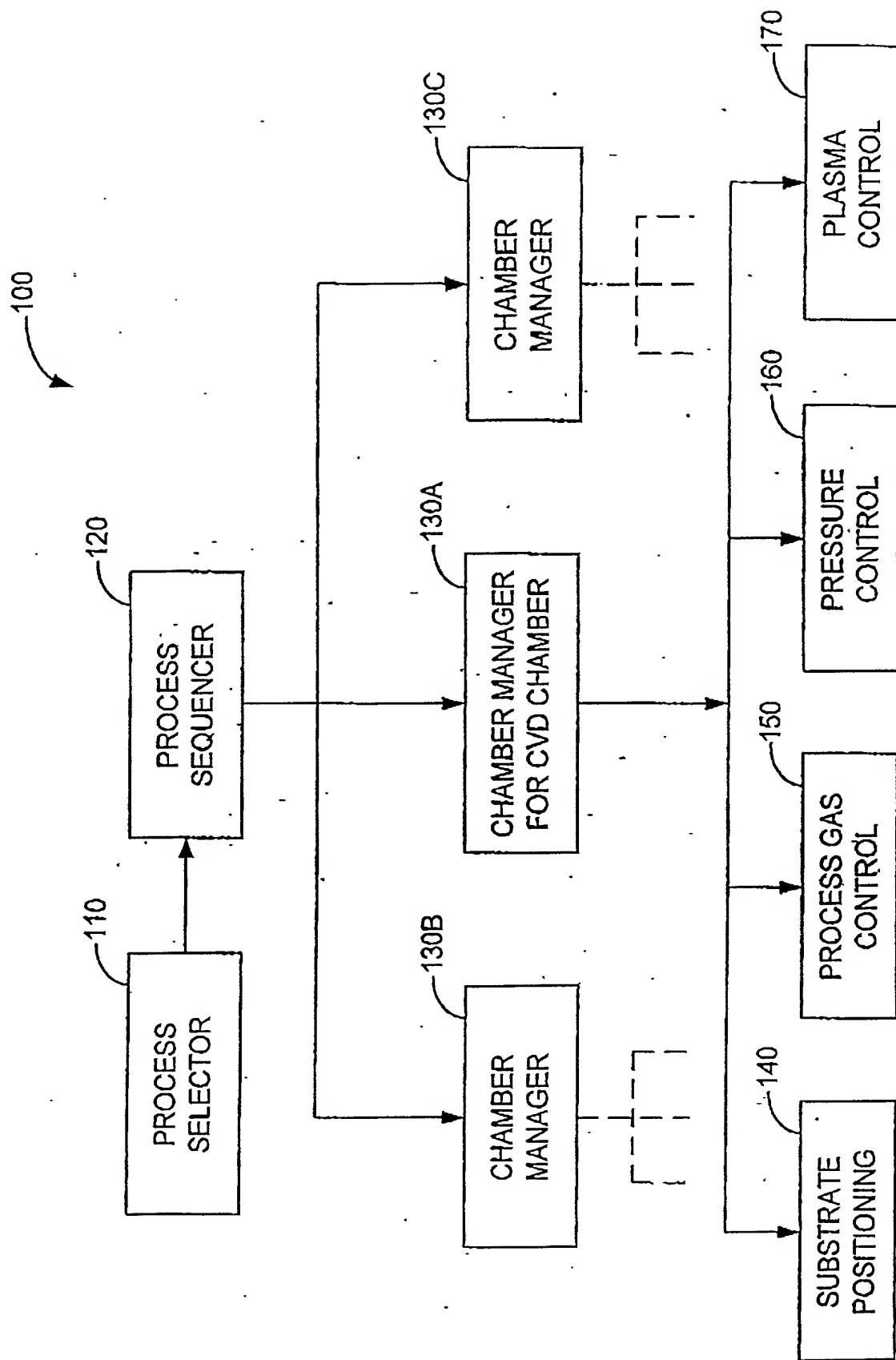
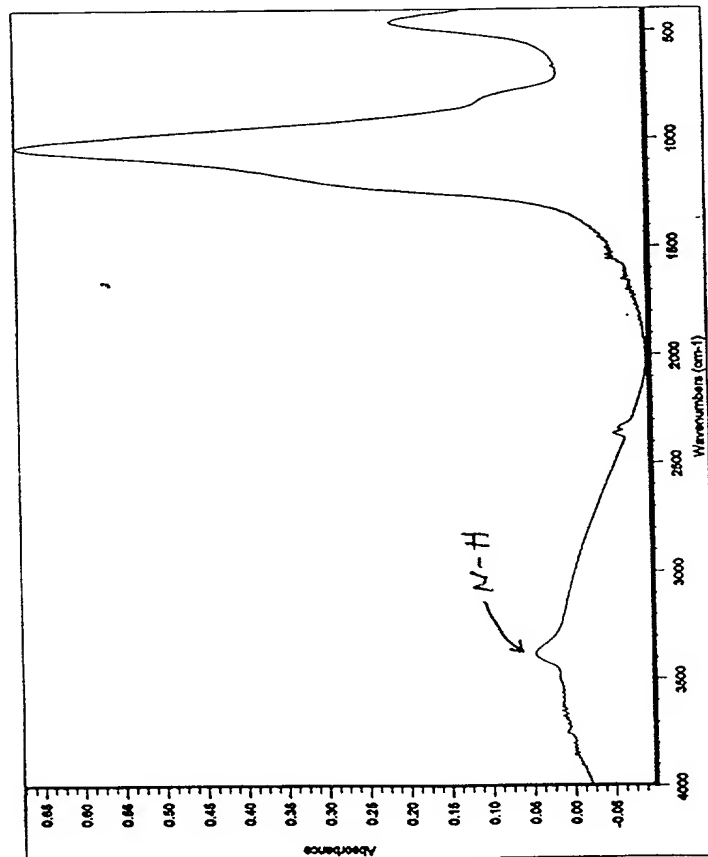


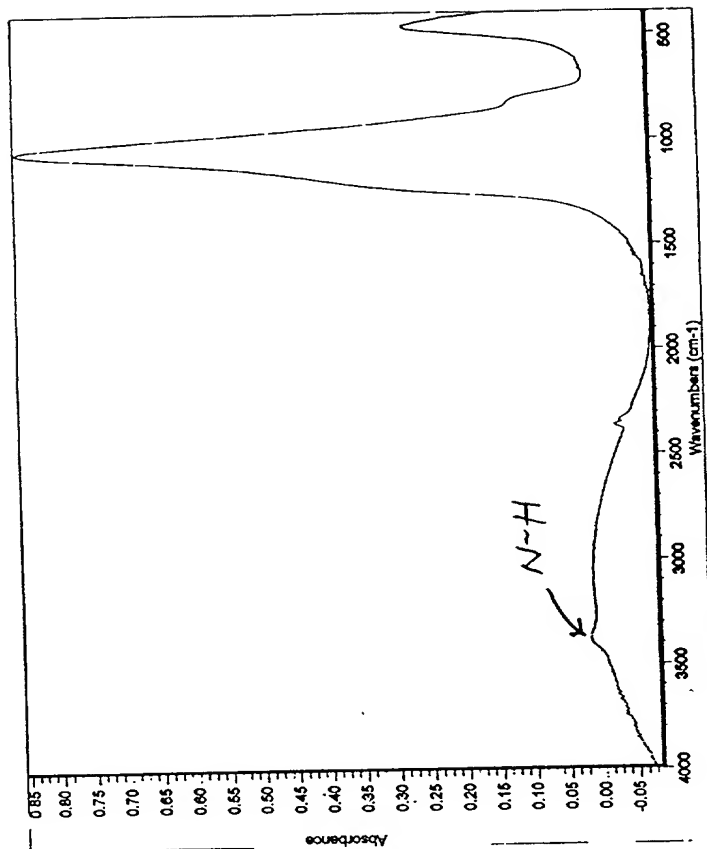
FIG. 10D

RI = 1.57



PE CVD

Fig 11A



HDP CVD

Fig 11B

Author	Year	Country	Sample Size	Study Design	Findings
Smith et al.	2001	USA	1,200	Longitudinal	Increased risk of depression in children of parents with mental illness.
Johnson et al.	2003	UK	800	Cross-sectional	Family history of mental illness associated with higher levels of anxiety.
Lee et al.	2005	Canada	1,500	Longitudinal	Genetic factors play a significant role in the development of bipolar disorder.
Wong et al.	2007	Australia	900	Cross-sectional	Family environment significantly influences the onset of schizophrenia.
Chen et al.	2009	China	2,100	Longitudinal	Genetic predisposition increases the risk of major depressive disorder.
Miller et al.	2011	USA	1,800	Cross-sectional	Family history of substance use disorder linked to higher rates of addiction.
Nguyen et al.	2013	Vietnam	1,100	Longitudinal	Family structure and social support influence mental health outcomes.
Patel et al.	2015	India	1,300	Cross-sectional	Genetic factors contribute to the risk of bipolar disorder.
Kim et al.	2017	South Korea	1,600	Longitudinal	Family history of mental illness associated with increased risk of psychosis.
Alvarez et al.	2019	Spain	1,400	Cross-sectional	Family environment plays a key role in the development of anxiety disorders.
Thompson et al.	2021	USA	1,700	Longitudinal	Genetic factors significantly influence the risk of major depressive disorder.
Roberts et al.	2022	UK	1,900	Cross-sectional	Family history of mental illness linked to higher rates of substance use.
Yamamoto et al.	2023	Japan	1,200	Longitudinal	Family structure and social support influence mental health outcomes.
Chen et al.	2024	China	2,200	Cross-sectional	Genetic predisposition increases the risk of major depressive disorder.
Miller et al.	2025	USA	1,800	Longitudinal	Family history of substance use disorder linked to higher rates of addiction.



Fig 11C

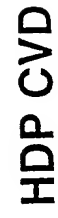
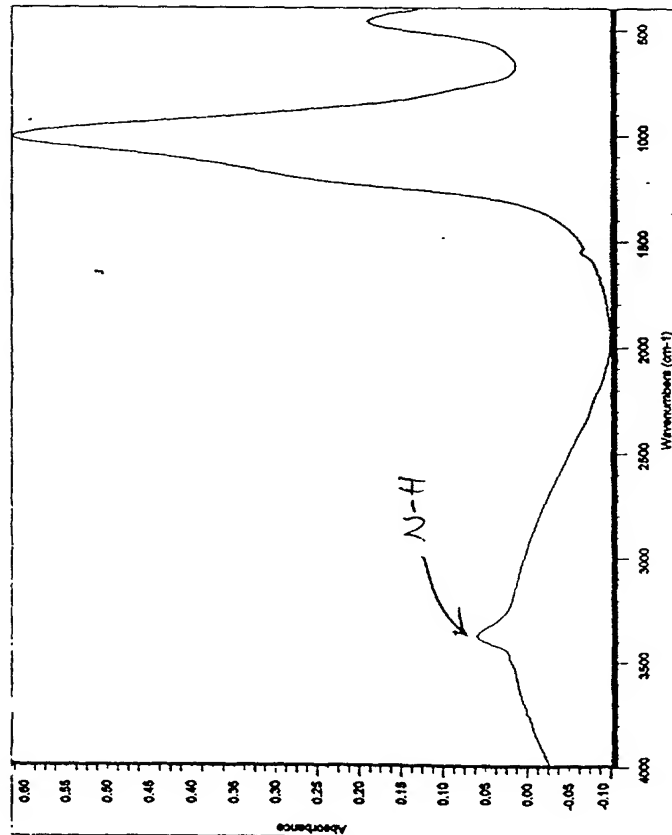


Fig 11D

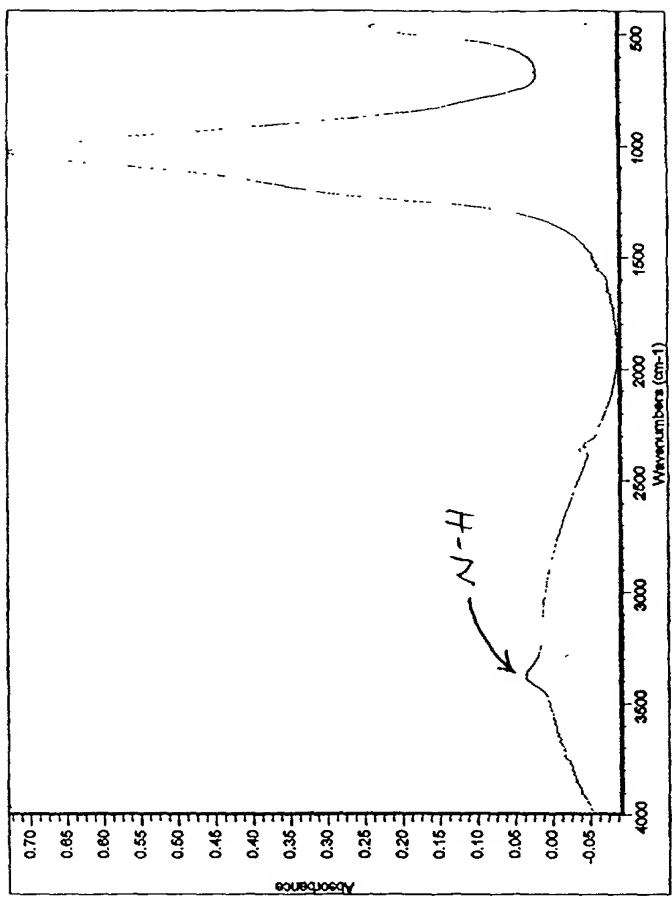
Figure 11E and 11F show the infrared spectra of the films prepared by the CVD method. The films are transparent and colorless.

**RI = 1.61**



**PE CVD**

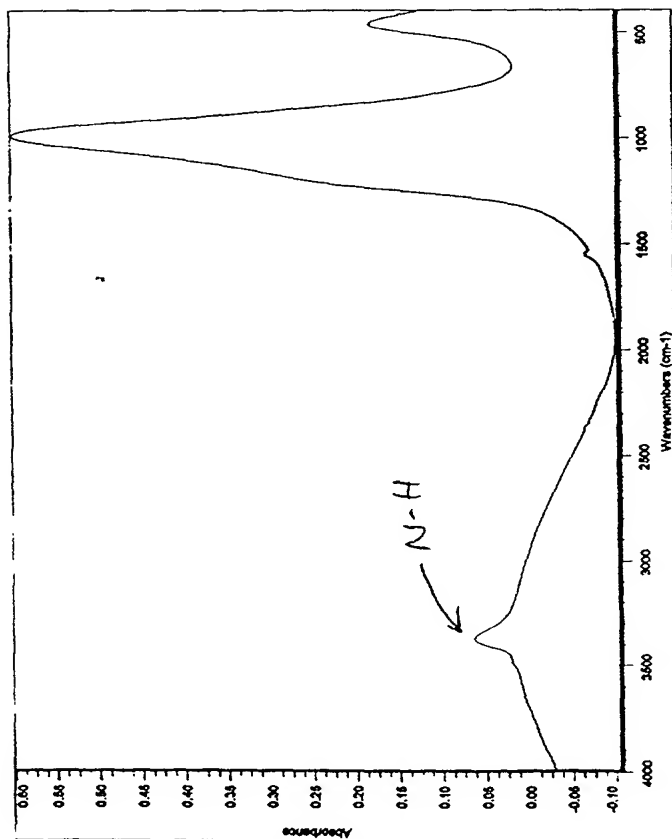
Fig 11E



**HDP CVD**

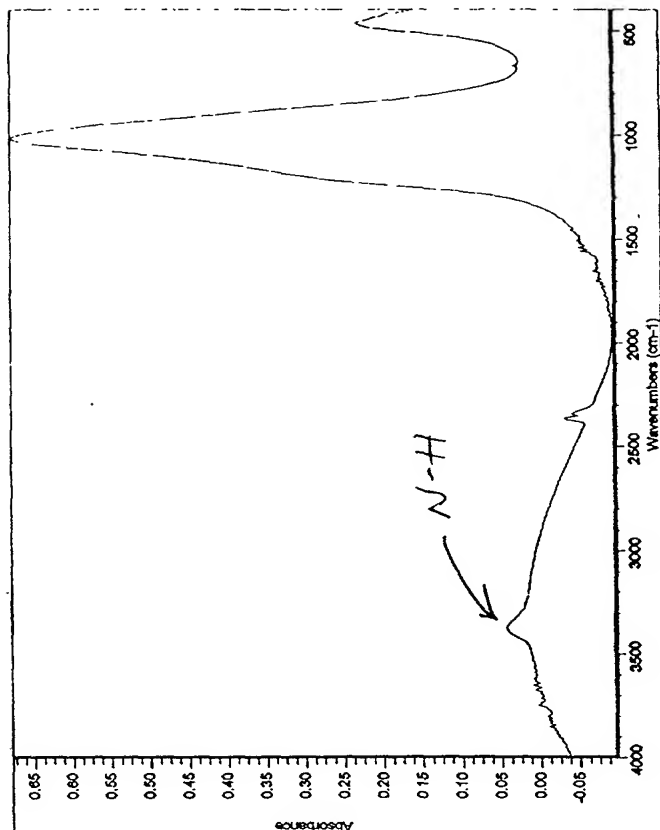
Fig 11F

RI = 1.63



PE CVD

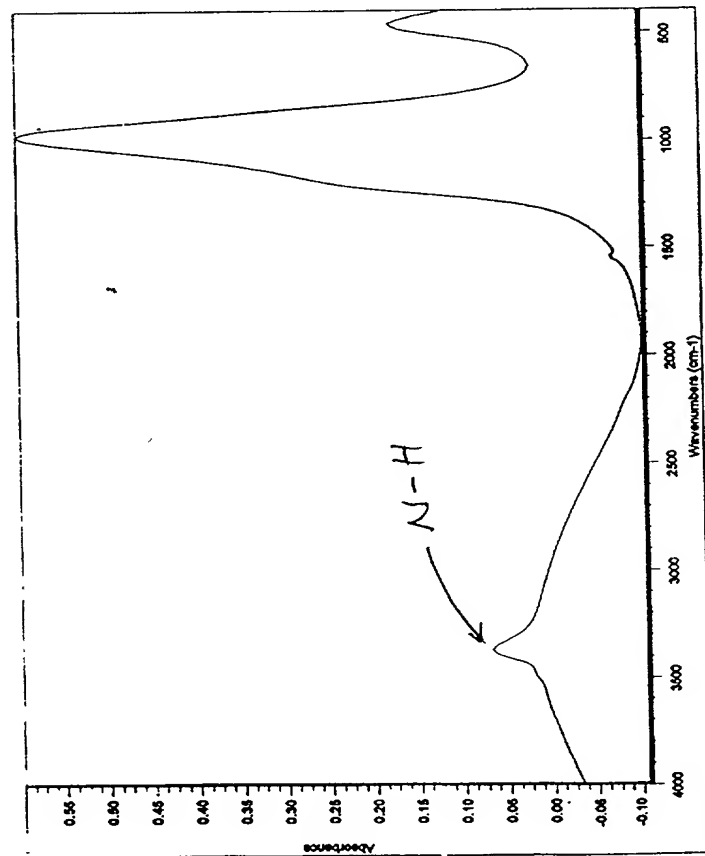
Fig 11G



HDP CVD

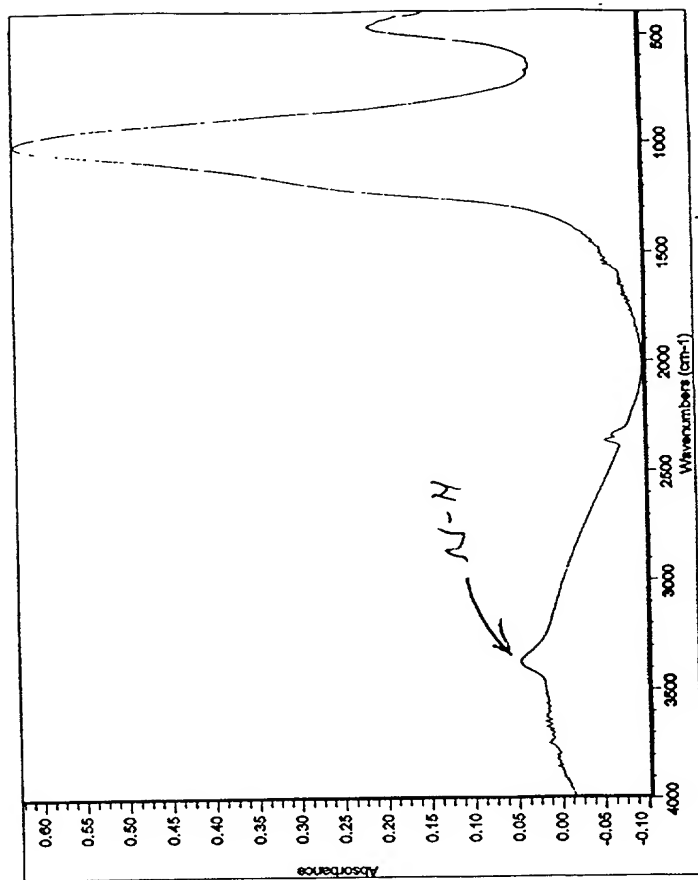
Fig 11H

RI = 1.65



PE CVD

Fig 11I



HDP CVD

Fig 11J



HDP SiON RI=1.57

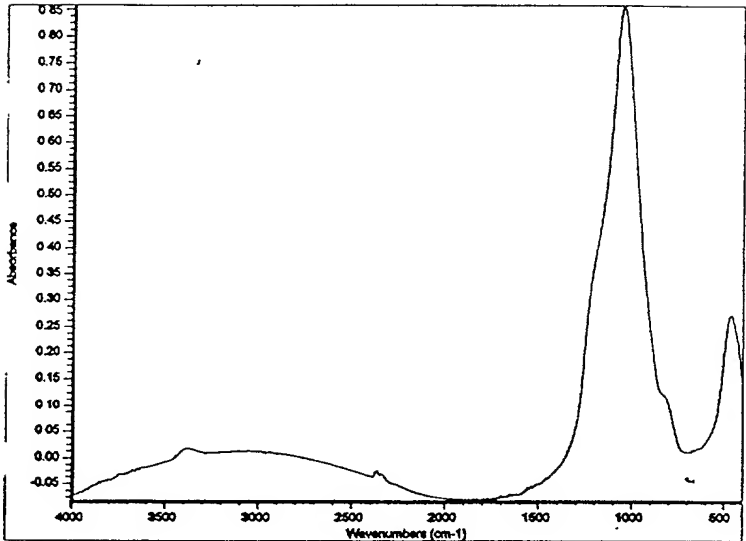


Fig 12A

HDP SiON RI=1.57 (ANN)

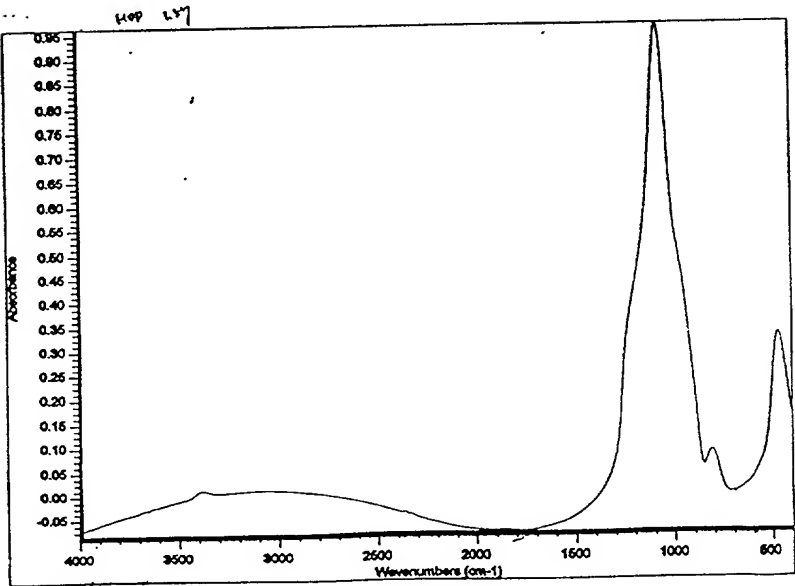


Fig 12B

# HDP SiON RI=1.59

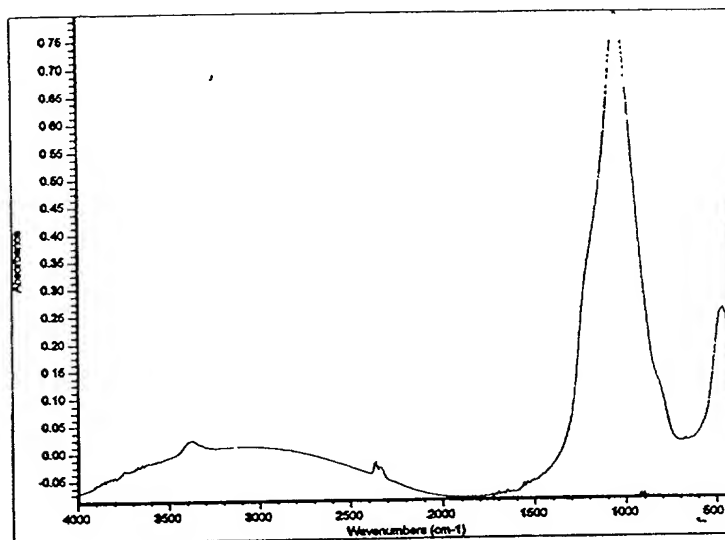


Fig 12C

# HDP SiON RI=1.59 (ANN)

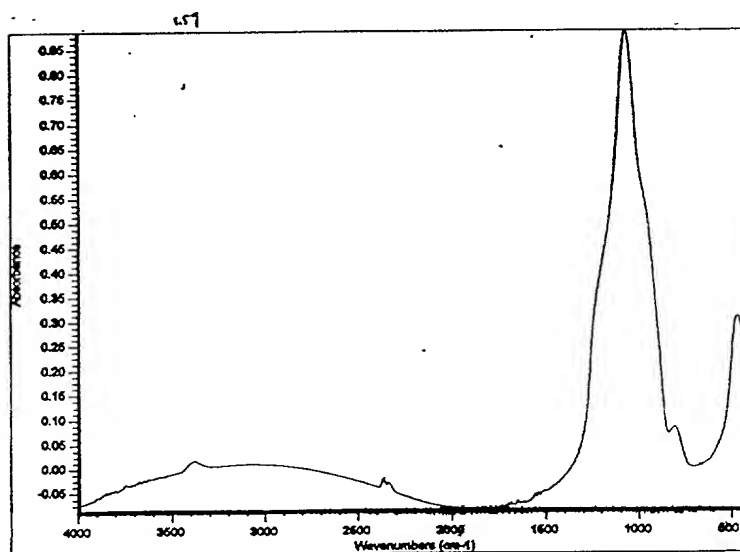


Fig 12D

# HDP SiON RI=1.61

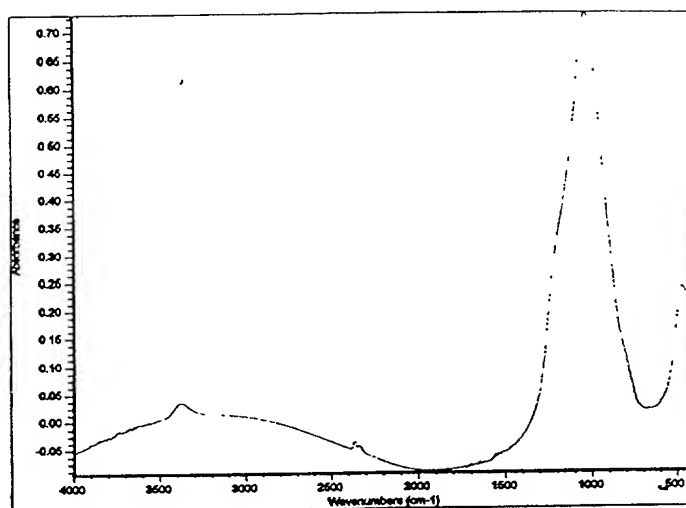


Fig 12E

# HDP SiON RI=1.61 (ANN)

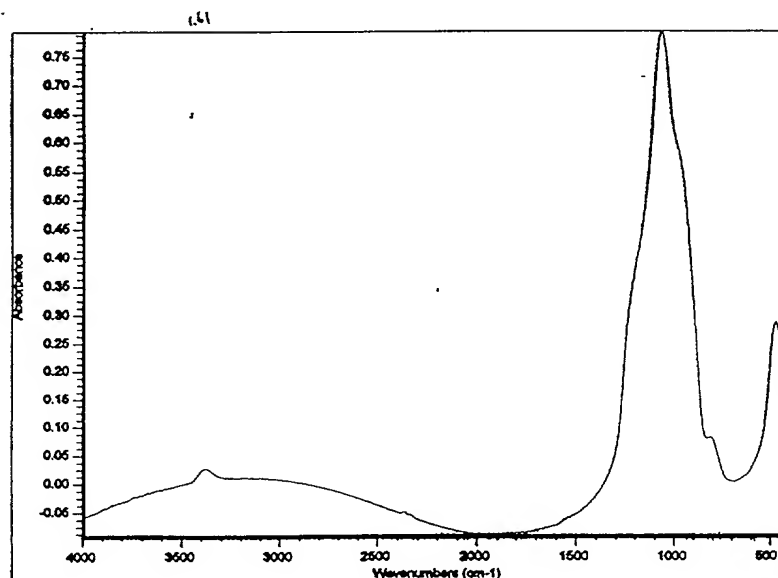


Fig 12F

# HDP SiON RI=1.63

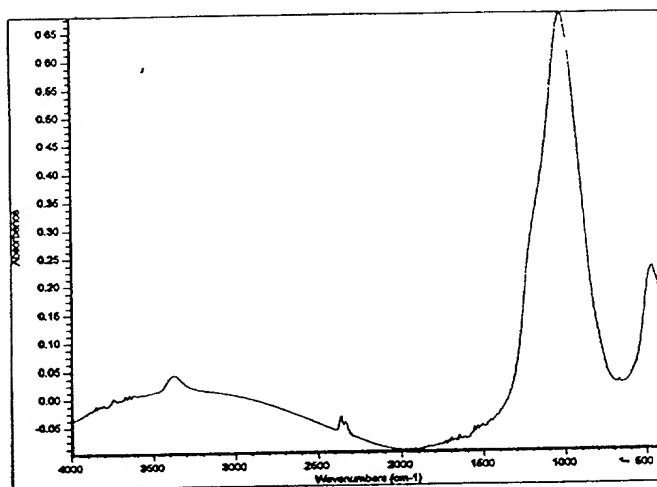


Fig 12G

# HDP SiON RI=1.63 (ANN)

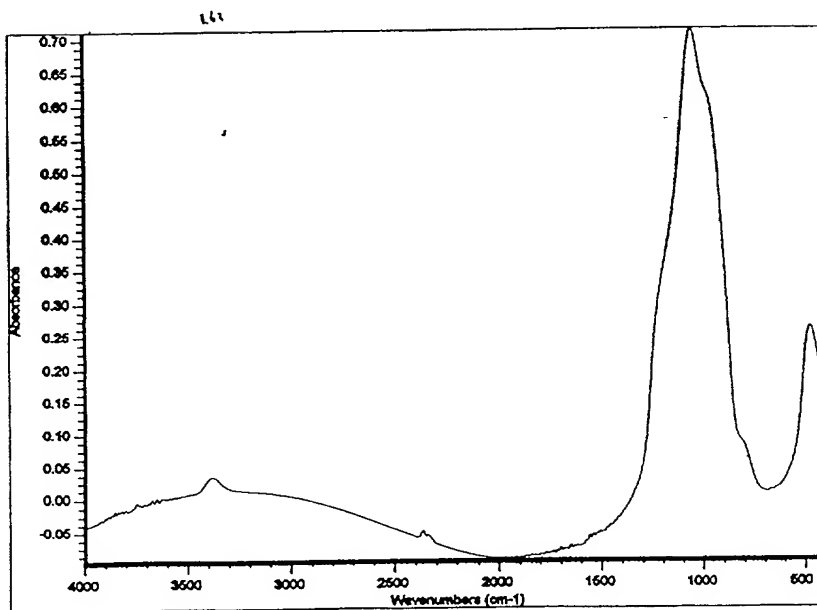


Fig 12H

## HDP SiON RI=1.65

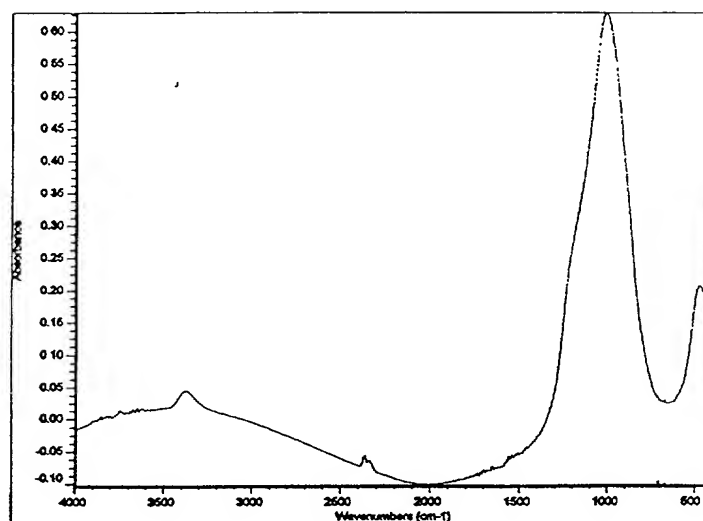


Fig 12I

## HDP SiON RI=1.65 (ANN)

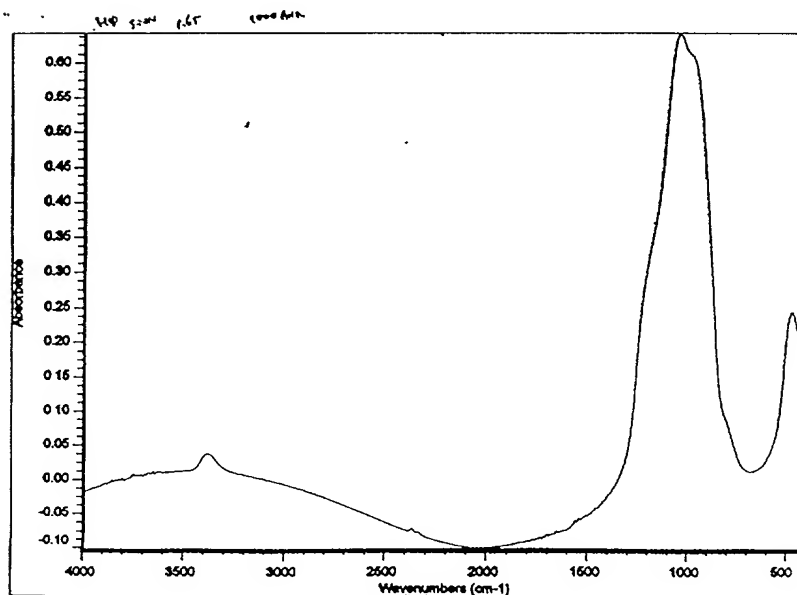


Fig 12J